AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the

application:

LISTING OF CLAIMS:

1. (Currently Amended) A pneumatic tire for a two-wheeled vehicle, comprising:

bead cores embedded in a right and left pair of bead parts;

a semi-radial bias carcass layer which extends from one bead part to the other bead part

in the shape of a toroid, end portions of which are rolled up around the bead cores to be latched

at the bead cores;

a radial reinforcement band layer which is disposed only at an inner side of tread ends in

a tire width direction, and is disposed at a tire radius direction outer side of a crown part of the

semi-radial bias carcass layer, comprising at least one ply at which a plurality of reinforcement

cords extending in a radial direction are arranged;

a belt layer which is disposed at an outer side of the radial reinforcement band layer in

the tire radius direction, comprising at least one belt ply at which a plurality of reinforcement

cords are arranged; and

a tread layer which is disposed at an outer side of the belt layer in the tire radius

direction,

wherein,

in the semi-radial bias carcass layer, at least two carcass plies in which a plurality of

reinforcement cords extending in a direction of 50 deg to 80 deg with respect to a tire equatorial

plane are arranged are provided such that the reinforcement cords of the respective carcass plies

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are crossed with each other, and

assuming that the absolute value of the total sum of rigidity components in a circumferential direction of the belt layer is $|\Sigma Fb|$ and the absolute value of the total sum of rigidity components in a width direction of a case made up of the semi-radial bias carcass layer and the radial reinforcement band layer is $|\Sigma Fc|$, $|\Sigma Fb|/|\Sigma Fc| = 1.3$ to 3.0 in a case in which the reinforcement cord constituting the belt layer is a textile cord, and $|\Sigma Fb|/|\Sigma Fc| = 0.03$ to 0.1 in a case in which the reinforcement cord constituting the belt layer is a steel cord,

provided that

 $|\Sigma Fb| = Mbi \times Nbi \times cos(\alpha bi) \times number of belt layers(i)$

where

Mbi: the initial modulus of elasticity at 0.5% elongation for the reinforcement cord constituting the respective belt layers (the unit is cN/dtex for the textile cord, and is kN/mm² for the steel cord)

Nbi: end count (cords / cm) for the reinforcement cord constituting the respective belt layers

abi: inclination angle (deg) with respect to the circumferential direction for the reinforcement cord constituting the respective belt layers

and

 $|\Sigma Fc| = [Mpi \times Npi \times sin (\alpha pi) \times number of the carcass plies] + [Msi \times Nsi \times sin (\alpha si) \times number of the radial reinforcement band layers]$

where

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Mpi: the initial modulus of elasticity (cN/dtex) at 0.5% elongation for the reinforcement

cord constituting the carcass ply

Msi: the initial modulus of elasticity (cN/dtex) at 0.5% elongation for the reinforcement

cord constituting the radial reinforcement band layer

Npi: end count (cords / cm) for the reinforcement cord constituting the carcass ply

Nsi: end count (cords / cm) for the reinforcement cord constituting the radial

reinforcement band layer

api: inclination angle (deg) with respect to the circumferential direction for the

reinforcement cord constituting the carcass ply

asi: inclination angle (deg) with respect to the circumferential direction for the

reinforcement cord constituting the radial reinforcement band layer.

2. (Currently Amended) The pneumatic tire for the two-wheeled vehicle of claim 1,

wherein

the reinforcement cord in the carcass layer has the initial modulus of elasticity Mpi of 29

to 56 cN/dtex; the inclination angle apapi of 50 to 80 deg with respect to the circumferential

direction; and the end count NpNpi of 5 to 13 / cm,

the reinforcement cord in the radial reinforcement band layer has the initial modulus of

elasticity Ms-Msi of 50 cN/dtex or more; the inclination angle asias of 80 to 90 deg with respect

to the circumferential direction; and the end count Ns-Nsi of 8 to 13 / cm, and

the reinforcement cord in the belt layer is the textile cord having the initial modulus of

elasticity Mb-Mbi of 150 cN/dtex or more, or the steel cord having the initial modulus of elasticity

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Mb-Mbi of 8 kN/mm² or more; and has the inclination angle αbαbi of 0 to 30 deg with respect to

the circumferential direction; and the end count Nb Nbi of 8 to 13 / cm.

3. (previously presented) The pneumatic tire for the two-wheeled vehicle of claim 1,

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wherein the reinforcement cord in the radial reinforcement band layer has the elasticity higher

than that for at least the reinforcement cord in the carcass layer.

4. (previously presented) The pneumatic tire for the two-wheeled vehicle of claim 1,

wherein the width of the radial reinforcement band layer is 50 to 90% of a tread periphery width

measured along a surface of the tread.

5. (previously presented) The pneumatic tire for the two-wheeled vehicle of claim 1,

wherein

the reinforcement cord in the carcass layer is a nylon cord,

the reinforcement cord in the belt layer is an aromatic polyamide cord, and

the reinforcement cord in the radial reinforcement band layer is a rayon cord.

6. (previously presented) The pneumatic tire for the two-wheeled vehicle of claim 1,

wherein

the reinforcement cord in the carcass layer is a nylon cord,

the reinforcement cord in the belt layer is a steel cord, and the belt layer is a spiral belt

layer which is formed by spirally rolling up the steel cord, and

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the radial reinforcement band layer is of a single layer, and the reinforcement cord is an aromatic polyamide cord.